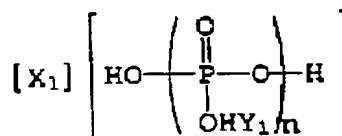


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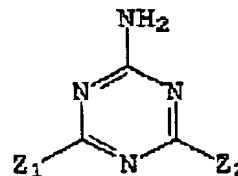
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APPLICANT : CHISSO CORP;

INVENTOR : TAKEBAYASHI TAKASHI;

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TITLE : FLAME-RETARDANT POLYOLEFIN
RESIN COMPOSITION



I

II

ABSTRACT : PROBLEM TO BE SOLVED: To obtain a polyolefin resin composition which shows excellent flame retardancy even when it contains only a small amount of a flame retardant by mixing a polyolefin resin with a polyammonium phosphate compound, a novel phosphate, a nitrogenous compound, etc.

SOLUTION: This composition is prepared by mixing a polyolefin resin with 1-30wt.% polyammonium phosphate compound (A) with 0.1-30wt.% (condensed) amine phosphate (B) represented by formula I [wherein n is 1-100; X₁ is R₁R₂N(CH₂)_nNR₃R₄, piperazine, a diamine containing a piperazine ring; R₁ to R₄ are each H or a 1-5C alkyl; m is 1-10; Y₁ is NH₃ or a triazine derivative represented by formula II; Z₁ and Z₂ are each -NR₅R₆, hydroxyl, mercapto, a 1-10C alkyl, a 1-10C alkoxy, a phenyl or vinyl; and R₅ and R₆ are each a 1-6C alkyl or methylol], 0.1-30wt.% nitrogenous compound (C) and 0.1-20wt.% polyhydric alcohol (D). The total amount of components A, B, C and/or D should be 10-50wt.% based on the entire composition.

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